

their tracks are still visible in the snow for twenty or thirty yards on their north side, from which they have gathered up their concentric coats ; and I understand these were still more evident at an early hour before a snow-shower obliterated them in many places.

I am, Sir, yours very truly,

CHARLES CLOUSTON.

METEOROLOGICAL OBSERVATIONS FOR FEB. 1847.

*Chiswick*.—February 1. Overcast. 2. Slight snow. 3. Cloudy. 4. Cloudy: frosty. 5. Overcast. 6. Slight rain. 7. Overcast: snowing. 8. Sharp frost: snowing. 9. Clear and frosty: intense frost at night. 10. Severe frost: snowing. 11. Overcast: slight thaw: severe frost. 12. Intense frost: clear: severe frost. 13. Clear and frosty. 14. Rain. 15. Cloudy: boisterous. 16. Overcast: rain. 17. Fine. 18. Densely clouded: boisterous. 19. Boisterous: fine: clear and calm. 20, 21. Overcast: fine. 22. Hazy: overcast. 23. Hazy and cold. 24. Dry air: clear and frosty. 25. Slight haze. 26. Hazy. 27, 28. Cloudy and cold.

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| Mean temperature of the month .....                      | 34°·79     |
| Mean temperature of Feb. 1846 .....                      | 45·32      |
| Mean temperature of Feb. for the last twenty years ..... | 39·55      |
| Average amount of rain in Feb. ....                      | 1·61 inch. |

*Boston*.—Feb. 1. Cloudy: snow P.M. 2. Cloudy: snow early A.M.: snow nearly all day. 3. Cloudy: snow P.M. 4. Fine. 5—7. Cloudy. 8—10. Fine. 11. Cloudy: snow on the ground. 12. Cloudy. 13. Fine. 14. Cloudy: rain early A.M. 15. Cloudy. 16. Cloudy: rain early A.M. 17. Fine: rain early A.M. 18. Fine: rain P.M. 19. Stormy. 20—23. Cloudy. 24. Fine. 25. Cloudy. 26. Cloudy: snow early A.M. 27. Fine: snow P.M. 28. Fine: melted snow.

*Sandwick Manse, Orkney*.—Feb. 1. Snow: clear. 2. Snow: clear: frost: clear. 3. Bright: thaw: drizzle. 4. Damp: drizzle. 5. Showers: lightning. 6. Hail-showers: aurora. 7. Hail-showers: snow-showers: aurora. 8. Snow-showers: aurora. 9. Snow-drift. 10. Sleet: thaw: snow: frost. 11. Deep snow\*: snow. 12. Deep snow: bright: showers: thaw. 13. Thaw: rain. 14. Sleet-showers. 15. Cloudy: showers. 16. Showers. 17. Showers: rain. 18. Showers. 19. Showers: clear. 20. Cloudy: rain. 21. Bright: showers. 22. Bright: clear: aurora: large halo. 23. Bright: clear. 24. Cloudy: clear: aurora. 25. Clear: frost: clear. 26. Bright: clear. 27. Clear: cloudy. 28. Cloudy.

*Applegarth Manse, Dumfries-shire*.—Feb. 1. Frost: snow lying half an inch deep. 2. Frost: slight shower: snow. 3. Frost. 4. Frost, but mild. 5. Thaw: slight rain. 6. Thaw: fair. 7. Frost: clear and fine. 8. Frost, hard. 9. Frost: threatening snow. 10. Frost: sprinkling snow. 11. Frost: fine: clear. 12. Frost: sprinkling snow. 13. Frost A.M.: rain P.M. 14. Thaw, soft and fine. 15. Frost, slight: thaw: rain. 16—18. Rain. 19. Rain and sleet: fierce wind. 20. Rain and wind. 21. Fair and fine: thrush singing. 22. Rain early A.M.: cleared. 23. Slight hoar-frost: clear. 24. Frost: clear and bright sun. 25. Hoar-frost. 26, 27. Frost. 28. Frost: clear and fine.

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| Mean temperature of the month .....                  | 36°·25    |
| Mean temperature of Feb. 1846 .....                  | 43·4      |
| Mean temperature of Feb. for twenty-five years ..... | 37·2      |
| Mean rain in Feb. for twenty years .....             | 2 inches. |

\* This morning the snow in many places is found rolled up in hollow fluted cylinders, the largest of which measures 3½ feet long and 7 feet in circumference: one which measures 3 feet by 6½ weighs 64 lbs.